

Title (en)
MICROORGANISMS FOR THE PRODUCTION OF 1,4-BUTANEDIOL, 4-HYDROXYBUTANAL, 4-HYDROXYBUTYRYL-COA, PUTRESCINE AND RELATED COMPOUNDS, AND METHODS RELATED THERETO

Title (de)
MIKROORGANISMEN ZUR HERSTELLUNG VON 1,4-BUTANDIOL, 4-HYDROXYBUTANAL, 4-HYDROXYBUTYRYL-COA, PUTRESCIN UND ENTSPRECHENDEN VERBINDUNGEN SOWIE ENTSPRECHENDE VERFAHREN

Title (fr)
MICROORGANISMES POUR LA PRODUCTION DE 1,4-BUTANEDIOL, 4-HYDROXYBUTANAL, 4-HYDROXYBUTYRYL-COA, PUTRESCINE ET DE COMPOSES ASSOCIES, ET PROCEDES AFFERENTS

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Abstract (en)
[origin: WO2011047101A1] The invention provides non-naturally occurring microbial organisms comprising a 1,4- butanediol (BDO), 4-hydroxybutyryl-CoA, 4-hydroxybutanal or putrescine pathway comprising at least one exogenous nucleic acid encoding a BDO, 4-hydroxybutyryl-CoA, 4-hydroxybutanal or putrescine pathway enzyme expressed in a sufficient amount to produce BDO, A- hydroxybutyryl-CoA, 4-hydroxybutanal or putrescine and further optimized for expression of BDO. The invention additionally provides methods of using such microbial organisms to produce BDO, 4-hydroxybutyryl-CoA, 4-hydroxybutanal or putrescine.

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